LR Series

DC OUTPUT:

Regulated Voltage

Regulation (line)	0.0005% plus 100 μV for line variations from 105-132 VAC.
(load)	0.0005% plus 100 μV for load variations from 0 to full load.
Remote Programing Resistance	1000 ohms/volt. nominal
Voltage	volt per volt.
Ripple and Noise	35 μV RMS, 100μV p to p with either pos. or neg. terminal grounded.
Temp. coef.*	0.001% plus 10μV/ °C.

CONSTANT CURRENT: (Current regulated line or load):

Automatic Crossover:

Voltage Range	As shown in Tables.
Current Range	Continuously adjustable from 1% to 100% of 30° rating.
Regulation (line or load)	Less than 2.0ma for input variations of 105-132 VAC and from 0 to rated VDC load voltage change.
Ripple and Noise	Less than 500μa with either pos. or neg. terminal grounded.

OVERLOAD PROTECTION:

Thermal	Thermostat; automatic reset when over-temperature condition is removed.
Electrical: External Overload Protection	Adjustable automatic electronic current limiting circuit limits the output current to the preset value, thereby providing protection for load as well as power supply. Current limiting settability to 105% of rated current.
Internal Failure Protection	Provided by fuse.

ACCURACY:* 0.01% plus 1mV at 25°C.

*Remote programing mode only.

STABILITY:* 0.001% plus 100μV over any 8-hour period after 30-minute warmup.

AMBIENT OPERATING TEMPERATURE: Continuous duty from 0° to +60°C with load current ratings shown in table.

STORAGE TEMPERATURE: −55°C to +85°C.

INPUT & OUTPUT CONNECTIONS: Covered DC output and AC input terminal blocks on rear of chassis.

CONTROLS:

(Consult Instruction Manual for specific instructions)

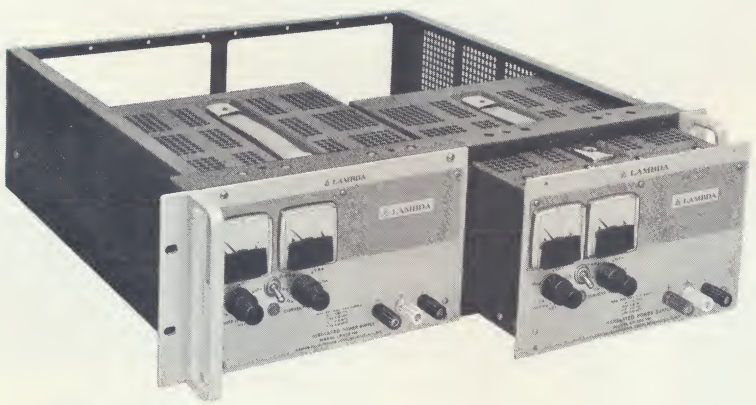
DC output control	Coarse and fine front panel concentric controls.
Current limiter	Coarse and fine front panel concentric controls.
Remote Sensing	Provision is made for remote sensing to eliminate effect of power output lead resistance on DC regulation, rear panel.
Power	ON-OFF toggle switch, front panel.

AC INPUT: 105-132 VAC, 47-440 Hz (Ratings based on 55-65 Hz) 205-265 VAC on request at no extra charge ("-V" option)

PHYSICAL DATA:

Size	LR-602-FM—606 FM 5 3/16"H x 4 3/16"W x 15½"D LR-612-FM—616 FM 5 3/16"H x 8⅜"W x 10⅝"D
Weight	LR-602-FM—606 FM 19 lbs. net; 22 lbs. ship LR-612-FM—616 FM 12 lbs. net; 15 lbs. ship
Panel Finish	Brushed aluminum clear anodized panels with grey inlay (standard)

All specifications subject to change without notice.

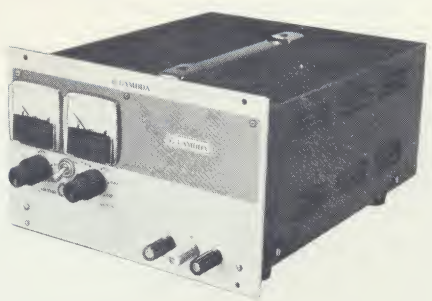


Rack Mounting

Two rack adapters are available for use with ½ rack LR Series Power Supplies:

LRA-1 5¼" Height x 16½" Depth
(For use with chassis slides) Price $60.00

LRA-2 5¼" Height Price $35.00

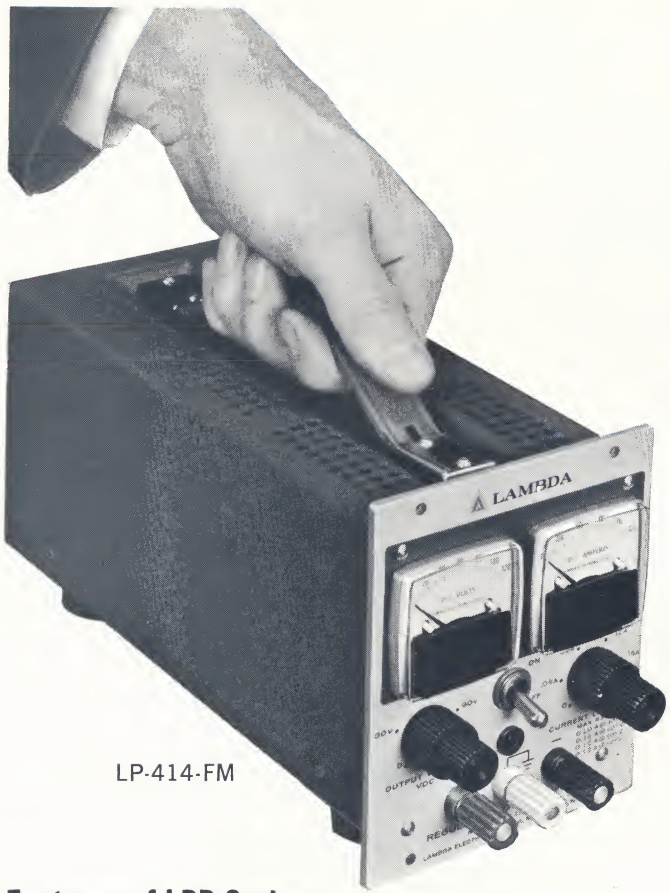


Bench Use

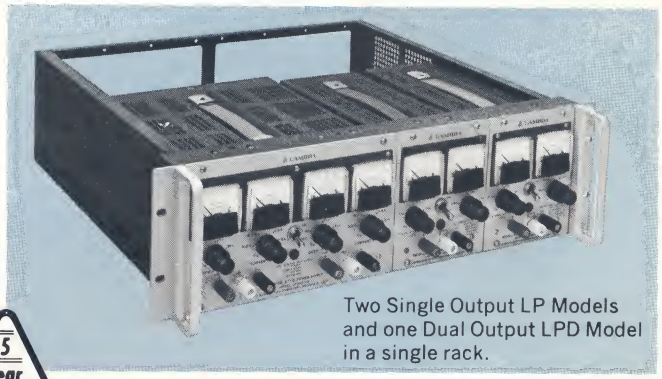
Rubber feet are provided for bench use.

Printed in USA

LPD Series Dual Output and LP Series power supplies provide widest selection of laboratory supplies with big system features and capabilities.



LP-414-FM



Two Single Output LP Models and one Dual Output LPD Model in a single rack.

5 Year Guarantee

Twice the voltage (up to 500 VDC) with outputs in series

Twice the current (up to 3.4 amps) with outputs in parallel

LPD-422-FM

Features of LPD Series Dual Output Power Supply

- **5 Models with two independent DC outputs offer widest choice**—Up to ±250 VDC, up to 1.7 amps. Either output may be + or —, or both outputs may be + or —.
- **Series/Parallel operation** of both outputs yields *two times* the voltage or *two times* the current—up to 500 volts or up to 3.4 amps
- **Auto Series/Auto Parallel (master-slave)** permits tracking to a common reference
- **4 Meters** provide simultaneous monitoring of *both* voltage and current
- **Most power** in a half-rack package
- **Most Amps per dollar**
- **Overvoltage Protection** as an accessory
- **Compatible** with LP, LH and LK Series rack adapters and other accessories
- **Multi-Current-Rated**—Only dual power supplies on market with this advanced design feature
- **Regulation**—.01% +1mV
- **Ripple**—500μV RMS (1.5 mV p-p)

Additional Features of LP and LPD Series

- **Guaranteed for 5 years.** Lambda is the only power supply manufacturer who provides a 5-year guarantee on materials *and labor.*
- **Regulation** (line or load)—.01% + 1mV.
- **Ripple**—500 μV RMS, 1.5 mV p-p.
  Models LP-415 and LP-425-FM only: 1mV RMS, 3mV p-p.
- **Temperature coefficient**— .015%+.5 mV/°C.
- **A-C input**—105-132 VAC 47-440 Hz (ratings based on 57-63 Hz operation). For operation at 205-265 VAC, add suffix "-V" to model numbers. No change in price
- **Multi-Current-Rated** at 30°C, 40°C, 50°C and 60°C.
- **Designed for bench and rack use.**
- **All silicon** transistors.
- **Series/parallel operation.**
- **Continuously variable.**
- **Remotely programable.**
- **Constant voltage/constant current.**
- **Designed to meet RFI** per MIL STD 826A
- **Remote sensing.**
- **Fungus Proofing Option**—Add suffix "R" to model number and add $15.00 to price

GUARANTEED FOR 5 YEARS